AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A network analyzer comprising:

a measuring system error factor recorder that records a measuring system error factor generated independently of a frequency conversion by a device under test;

a correction coefficient outputter that outputs measured first coefficients and second coefficients of a correction frequency converting element, wherein a signal output from ~~one~~ a first terminal of the device under test is represented as a sum of a product of a signal input to the first terminal and ~~the~~ a first coefficient and a product of a signal input to ~~the other~~ a second terminal of the device under test and ~~the~~ a second coefficient, ~~and~~ a ratio of the magnitudes of the second coefficients is constant, and a frequency of the signal input to the first terminal is different from a frequency of the signal input to the second terminal; and

a transmission tracking error acquirer that acquires a transmission tracking error generated by the frequency conversion based on the measuring system error factor recorded in said measuring system error factor recorder, and the first coefficients and the second coefficients output by said correction coefficient outputter.

2. (Currently Amended) The network analyzer according to claim 1, wherein if the first coefficients are M11' and M22', the second coefficients are M12' and M21', a signal input to [[a]] the first terminal is a1, a signal output from the first terminal is b1, a signal input to [[a]] the

second terminal is a2, and a signal output from the second terminal is b2 in said correction

frequency converting element,

$$b1 = M11' \times a1 + M12' \times a2$$

$$b2 = M21' \times a1 + M22' \times a2, \text{ and}$$

$$|M12'|/|M21'| \text{ is constant.}$$

3. (Previously Presented) The network analyzer according to claim 1, wherein the

magnitudes of the second coefficients are the same for either of the terminals.

4. (Currently Amended) The network analyzer according to claim 1 comprising:

an input signal measurer that measures an input signal parameter relating to an input

signal input to the device under test before the measuring system error factor is generated;

a plurality of ports that are connected to a terminal of the device under test, including a

port that outputs and output the input signal; and

a device-under-test signal measurer that measures a device-under-test signal parameter

relating to a device-under-test signal input from the terminal of the device under test to one of the

ports said port.

5. (Previously Presented) The network analyzer according to claim 4, wherein said

correction coefficient outputter acquires the first coefficients and second coefficients of said

correction frequency converting element according to a ratio of the input signal parameter

measured by said input signal measurer and the device-under-test signal parameter measured by

said device-under-test signal measurer.

6. (Currently Amended) The network analyzer according to claim 4, wherein said transmission tracking error acquirer acquires the transmission tracking error based on a ratio of error factors generated in a passage from the device-under-test signal being output from ~~the~~ a terminal of the device under test without the frequency conversion to the device-under-test signal being received by said device-under-test signal measurer.

7. (Currently Amended) A network analyzing method comprising:

recording a measuring system error factor generated independently of a frequency conversion by a device under test;

outputting measured first coefficients and second coefficients of a correction frequency converting element, wherein a signal output from ~~one~~ a first terminal is represented as a sum of a product of a signal input to the <u>first</u> terminal and the first coefficient and a product of a signal input to ~~the other~~ a second terminal and the second coefficient, ~~and~~ a ratio of the magnitudes of the second coefficients is constant, and a frequency of the signal input to the first terminal is different from a frequency of the signal input to the second terminal; and

acquiring a transmission tracking error generated by the frequency conversion based on the measuring system error factor and the first coefficients and the second coefficients.

8. (Currently Amended) A program of instructions for execution by ~~the~~ a computer to perform [[a]] processing for analyzing a network, said processing comprising:

recording a measuring system error factor generated independently of a frequency conversion by a device under test;

outputting measured first coefficients and second coefficients of a correction frequency converting element, wherein a signal output from ~~one~~ a first terminal is represented as a sum of a product of a signal input to the first terminal and the first coefficient and a product of a signal input to ~~the other~~ a second terminal and the second coefficient, ~~and~~ a ratio of the magnitudes of the second coefficients is constant, and a frequency of the signal input to the first terminal is different from a frequency of the signal input to the second terminal; and

acquiring a transmission tracking error generated by the frequency conversion based on the measuring system error factor and the first coefficients and the second coefficients.

9. (Currently Amended) A computer-readable medium having a program of instructions for execution by ~~the~~ a computer to perform [[a]] processing for analyzing a network, said processing comprising:

recording a measuring system error factor generated independently of a frequency conversion by a device under test;

outputting measured first coefficients and second coefficients of a correction frequency converting element, wherein a signal output from ~~one~~ a first terminal is represented as a sum of a product of a signal input to the first terminal and the first coefficient and a product of a signal input to ~~the other~~ a second terminal and the second coefficient, and a ratio of the magnitudes of the second coefficients is constant, and a frequency of the signal input to the first terminal is different from a frequency of the signal input to the second terminal; and

acquiring a transmission tracking error generated by the frequency conversion based on the measuring system error factor and the first coefficients and the second coefficients.

10. (Previously Presented) The network analyzer according to claim 2, wherein the magnitudes of the second coefficients are the same for either of the terminals.

11. (Currently Amended) The network analyzer according to claim 2 comprising:

an input signal measurer that measures an input signal parameter relating to an input signal input to the device under test before the measuring system error factor is generated;

a plurality of ports that are connected to a terminal of the device under test, including a port that outputs and output the input signal; and

a device-under-test signal measurer that measures a device-under-test signal parameter relating to a device-under-test signal input from the terminal of the device under test to one of the ports said port.

12. (Currently Amended) The network analyzer according to claim 3 comprising:

an input signal measurer that measures an input signal parameter relating to an input signal input to the device under test before the measuring system error factor is generated;

a plurality of ports that are connected to a terminal of the device under test, including a port that outputs and output the input signal; and

a device-under-test signal measurer that measures a device-under-test signal parameter relating to a device-under-test signal input from the terminal of the device under test to one of the

ports ~~said port~~.

13. (Currently Amended) The network analyzer according to claim 10 comprising:

an input signal measurer that measures an input signal parameter relating to an input signal input to the device under test before the measuring system error factor is generated;

a plurality of ports that are connected to a terminal of the device under test, including a port that outputs ~~and output~~ the input signal; and

a device-under-test signal measurer that measures a device-under-test signal parameter relating to a device-under-test signal input from the terminal of the device under test to one of the ports ~~said port~~.

14. (Previously Presented) The network analyzer according to claim 11, wherein said correction coefficient outputter acquires the first coefficients and second coefficients of said correction frequency converting element according to a ratio of the input signal parameter measured by said input signal measurer and the device-under-test signal parameter measured by said device-under-test signal measurer.

15. (Previously Presented) The network analyzer according to claim 12, wherein said correction coefficient outputter acquires the first coefficients and second coefficients of said correction frequency converting element according to a ratio of the input signal parameter measured by said input signal measurer and the device-under-test signal parameter measured by said device-under-test signal measurer.

16. (Previously Presented) The network analyzer according to claim 13, wherein said correction coefficient outputter acquires the first coefficients and second coefficients of said correction frequency converting element according to a ratio of the input signal parameter measured by said input signal measurer and the device-under-test signal parameter measured by said device-under-test signal measurer.

17. (Currently Amended) The network analyzer according to claim 11, wherein said transmission tracking error acquirer acquires the transmission tracking error based on a ratio of error factors generated in a passage from the device-under-test signal being output from ~~the~~ a terminal of the device under test without the frequency conversion to the device-under-test signal being received by said device-under-test signal measurer.

18. (Currently Amended) The network analyzer according to claim 12, wherein said transmission tracking error acquirer acquires the transmission tracking error based on a ratio of error factors generated in a passage from the device-under-test signal being output from ~~the~~ a terminal of the device under test without the frequency conversion to the device-under-test signal being received by said device-under-test signal measurer.

19. (Currently Amended) The network analyzer according to claim 13, wherein said transmission tracking error acquirer acquires the transmission tracking error based on a ratio of error factors generated in a passage from the device-under-test signal being output from ~~the~~ a

terminal of the device under test without the frequency conversion to the device-under-test signal being received by said device-under-test signal measurer.